

## CHICKEN c-SRC cDNA

(SEQ ID NO:2)

1 tctgacaccc atctgtctgt ctgtctgtgt gctgcaggag ctgagctgac tctgctgtgg  
61 cctcgctac cactgtggcc aggcggtagc tgggacgtgc agcccaccac catggggagc  
121 agcaagagca agcccaagga cccagccag cgccggcgca gcctggagcc acccgacagc  
181 acccaccacg ggggattccc agcctgcag accccaaca agacagcagc ccccgacacg  
241 caccgcaccc ccagccgctc ctttgggacc gtggccaccg agcccaagct ctcggggggc  
301 ttcaacatt ctgacaccgt tacgtcgccg cagcgtgccg gggcactggc tggcggcgtc  
361 accacttctg tggctctcta cgactacgag tcccggactg aaacggactt gtcttcaag  
421 aaaggagaac gcctgcagat tgtaacaac acggaagggtg actggtggct ggctcatcc  
481 ctactacag gacagacggg ctacatcccc agtaactatg tcgcgccctc agactccatc  
541 caggctgaag agtggtaact tgggaagatc actcgtcggg agtccgagcg gctgctgctc  
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661 tattgcctct ccgtttctga ctttgacaac gccaaagggc tcaatgtgaa gcactacaag  
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841 gtctgcccc agtccaagcc ccagaccag ggactcgcca aggacgcgtg ggaaatcccc  
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1381 ttcccatca agtggacagc ccccgaggca gccctctatg gccggttcac catcaagtcg  
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1501 ccagggatgg tcaacaggga ggtgctggac caggtggaga ggggctaccg catgccctgc  
1561 ccgcccagat gcccagatc gctcatgac ctcatgtgcc agtctgtgag gagggacct  
1621 gaggagcggc ccactttga gtacctgag gccttctgg aggactactt cacctcgaca  
1681 gagccccagt accagcctgg agagaacct taggcctgga gctctctg gaccagaggc  
1741 ctgctgtgg ggtacagg

FIG. 1

CHICKEN cSRC ENCODED PROTEIN

(SEQ ID NO:3)

MGSSKSKPKDPSQRRRSLEPPDSTHHGGFPASQTPNKTA  
PDTHRTPSRSFGTVATEPKLFGGFNTSDTVTSPQRAGALA  
GGVTTFVALYDYESRTETDLSFKKGERLQIVNNTSGDWWL  
AHSLTTGQTGYIPSNYVAPSDSIQAEEWYFGKITRRESER  
LLNPENPRGTFLVRESETTKGAYCLSVSDFDNAKGLNVK  
HYKIRKLDSGGFYITSRTQFSSLQQLVAYYSKHADGLCHR  
LTNVCPTSKPQTQGLAKDAWEIPRESLRLEVKLGGQCFGE  
VWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHE  
KLVQLYAVVSEPIYIVTEYMSKGSLLDFLKGEMGKYLRL  
PQLVDMAAQIASGMAYVERMNYVHRDLRAANILVGENL  
VCKVADFGLARLIEDNEYTARQGAKFPIKWTAPEAALYGR  
FTIKSDVWSFGILLTELTTKGRVPYPGMVNREVLDQVERG  
YRMPCPPECPESLHDLMCQCWRRDPEERPTFEYLQAFLE  
DYFTSTEPQYQPGENL

FIG. 2

# HUMAN c-SRC cDNA

(SEQ ID NO:4)

```

1  gcgccgcgtc ccgcaggccg tgatgccgcc cgcgcggagg tggcccggac cgcagtgcc
61  caagagagct ctaatgttac caatgacag gttggcttta ctgtactcg gggacgccag
121 agctcctgag aagatgtcag caatacaggc cgcctggcca tccggtacag aatgtattgc
181 caagtacaac ttccacggca ctgccgagca ggacctgccc ttctgcaaag gagactgtct
241 caccattgtg gccgtcacca aggaccccaa ctggtacaaa gcaaaaaaca aggtgggccc
301 tgagggcac atcccagcca actacgtcca gaagcgggag ggcgtgaagg cgggtacca
361 actcagctc atgccttgg tccacggcaa gatcacacgg gacgagctg agcggcttct
421 gtacccgccc gagacaggcc tgttcttgg gcgggagagc accaactacc ccggagacta
481 cacgtgtgc gtgagctgc acggcaaggt ggagcactac cgcacatgt accatgccag
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661 agtggcggcc caggatgagt tctaccgcag cggctgggcc ctgaacatga aggagctgaa
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1141 caaggaggcg tccagcacc aggacacggg caagctgcca gtcaagtgga cagccctga
1201 ggccctgaga gagaagaaat tctccactaa gtctgacgtg tggagttcg gaatcttct
1261 ctgggaaatc tactcctttg ggcgagtgc ttatccaaga attccctga aggacgtctg
1321 cctcgggtg gagaagggt acaagatgga tgccccgac ggctgccgc ccgcagtcta
1381 tgaagtcag aagaactgt ggcacctgga cgcgccatg cggccctct tctacagct
1441 ccgagagcag cttgagcaca tcaaaacca cgagctgcac ctgtgacggc tggcctccgc
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1561 ctgggcccga gcctgaactg agccccagcg ggctggcggg ccttttct gcgtccagc
1621 ctgcaccct ccggccccgt ctctcttga cccacctgt gggcctggg agccactga
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1741 ctggcctccc gccactgcc ttcttagagt ttattctt tctttttt agattttt
1801 tccgtgtgt ttttttat tttttcaa gataaggaga aagaaaglac ccagcaaatg
1861 ggcattttac aagaagtac aattttat ttctgtct gccctgagg gtggggggga
1921 ccgggcccc ctctaggac cctcgcgcc agcctcatt cccattctgt gtccatgtc
1981 ccgtgtctc tcggtcgcc cgtgttgcg ctgacctat ttgcactgt tgcattgcc
2041 cgaggcagac gtctgtcagg ggcttgatt tcgtgtgcc ctgccaccg cccaccgcc
2101 ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgcgccccg ctcggcgctt
2161 cctccaccga aaaaaaaaaa aaaaaaa

```

FIG. 3

HUMAN c-SRC ENCODED PROTEIN

(SEQ ID NO:5)

MSAIQAAWPSGTECIAKYNFHGTAEQDLPFCKGDVLTIVAVTKD  
PNWYKAKNKVGREGIIPANYVQKREGVKAGTKLSLMPWFHGKIT  
REQAERLLYPPETGLFLVRESTNYPGDYTLCVSCDGKVEHYRIMY  
HASKLSIDEEVYFENLMQLVEHYTSDADGLCTRLIKPKVMEGTVA  
AQDEFYRSGWALNMKELKLLQTIGKGEFGDVMLGDYRGNKVAV  
KCIKNATAQAFLAEASVMTQLRHSNLVQLLGVIVEEKGGLYIVTE  
YMAKGSLVDYLRSRGRSVLGGDCLKFSLDVCEAMEYLEGNNFVH  
RDLAARNVLVSEDNVAKVSDFGLTKEASSTQDTGKLPVKWTAPEAL  
REKKFSTKSDVWSFGILLWEIYSFGRVPYPRIPLKDVPVPRVEKGYKM  
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FIG. 4

# Activation of endogenous Src activity by bFGF and VEGF

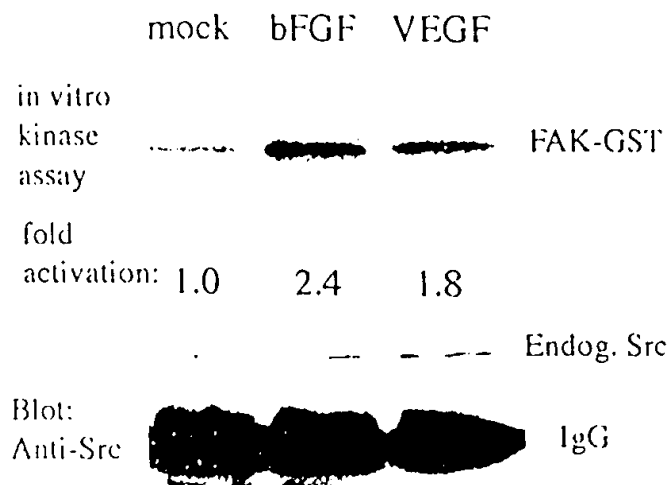
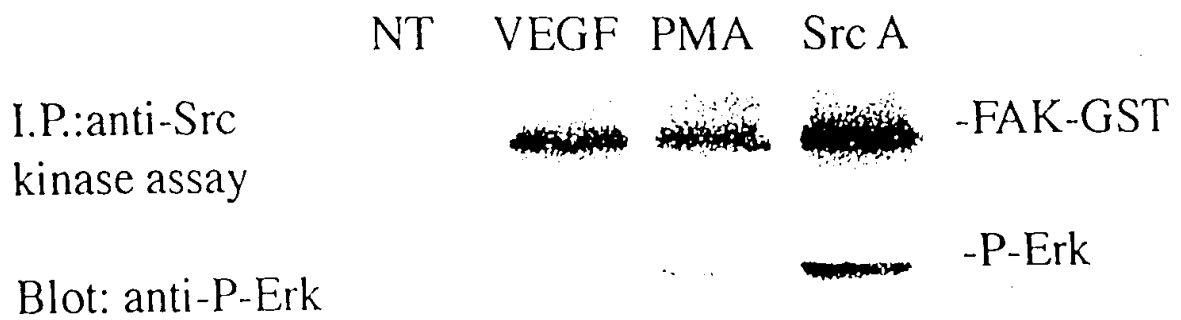
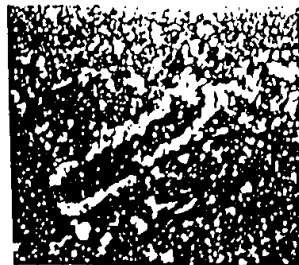


FIG. 5

# Retroviral expression of Src A activates vascular MAP kinase phosphorylation



Mock



Src A

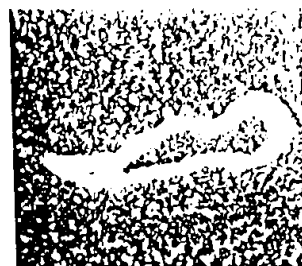
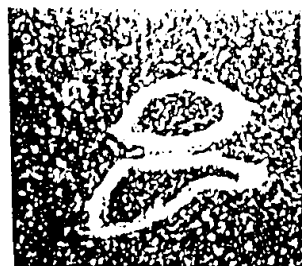


FIG. 6

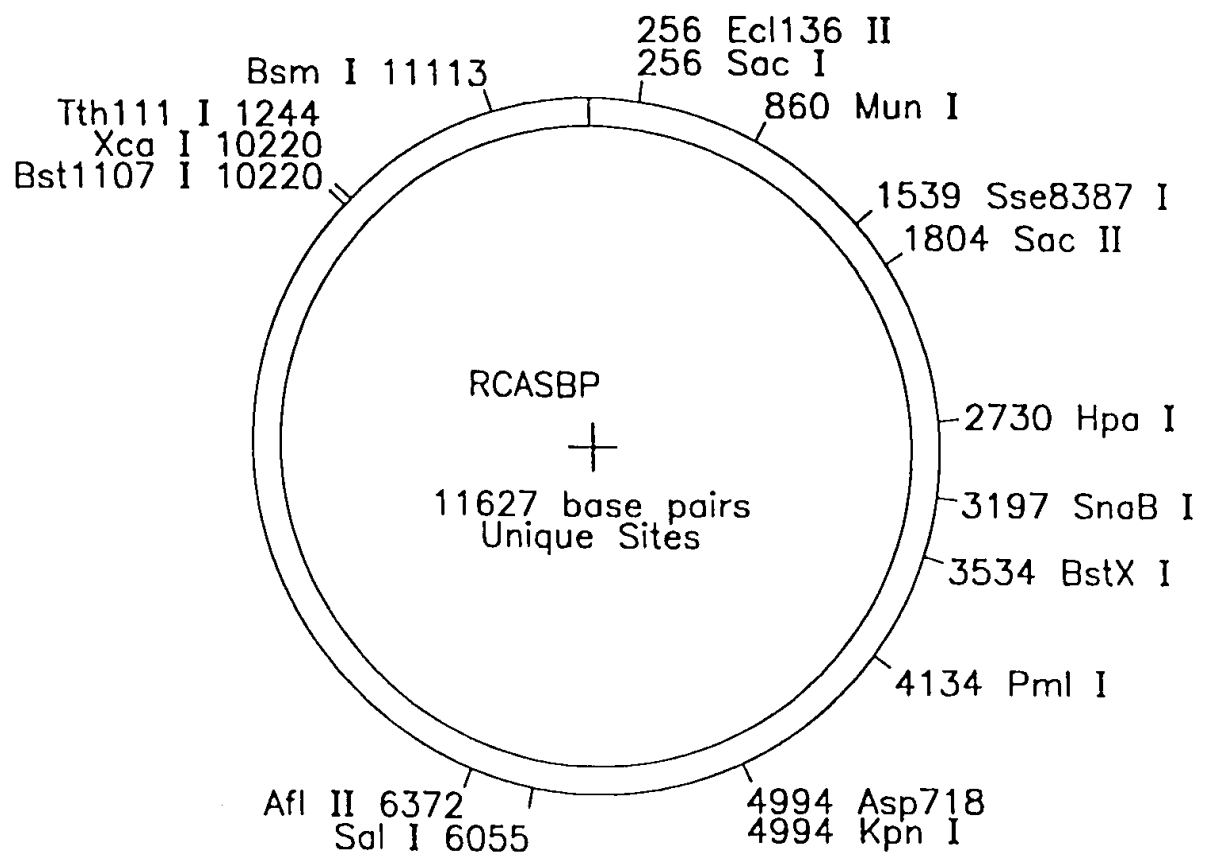


FIG. 7

human Yes-1 Protein amino acid sequence

"MGCIKSKENKSPAIKYRPENTPEPVSTSVSHYGAEPTTVSPCPS  
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EARTTEDLSFKKGERFQIINNTEGDWWEARSIATGKNGYIPSNYVAPADSIQAEWYF  
GKMGRKDAERLLLNPQNQRGIFLVRESETTKGAYSLSIRDWDEIRGDNVKHYKIRKLD  
NGGYYITTRAQFDTLQKLVKHYTEHADGLCHKLTTCPTVKPQTQGLAKDAWEIPRES  
LRLEVKLGQGCFCGEVWMGTWNGTTKVAIKTLKPGTMMPEAFLQEAQIMKKLRHDKLVP  
LYAVVSEEPYIVTEFMSKGSLLDFLKEGDGKYLKLPQLVDMAAQIADGMAYIERMNY  
IHRDLRAANILVGENLVCKIADFGLARLIEDNEYTARQGAKFPIKWTAPEAALYGRFT  
IKSDVWSFGILQTELVTKGRVPYPGMVNREVLEQVERGYRMPCPQGCPESLHELMNLC  
WKKDPDERPTFEYIQSFLEDYFTATEPQYQPGENL"

FIGURE 8

# FIGURE 9

1	gaggagccaa	ggcacacggg	tctgaccctt	gggcccggccc	ggagcaagt	acacggaccg
61	gtcgctatc	ctgaccacag	caaagcgccc	cggagcccgc	ggagggggacc	tgacgggggc
121	gtaggcgccg	gaaggctggg	ggccccggag	cggggccggc	gtggcccag	ttccggtgag
181	cggacggcgg	cgcgcgcaga	tttgataatg	ggctgcatta	aaagtaaaaga	aaacaaaagt
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301	tatggagcag	aacccactac	agtgtcacca	tgtccgtcat	cttcagcaaa	gggaacagca
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481	ggtgttacta	tattttgtggc	cttatatgat	tatgaagcta	gaactacaga	agacctttca
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721	cttttgaatc	ctggaaatca	acgaggtatt	ttcttagtaa	gagagagtga	aacaactaaa
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901	actctgcaga	aattggtgaa	acactacaca	gaacatgctg	atgggtttatg	ccacaagtgtg
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4261	tattcatttt	aaattgttct	gtatttttaa	attgccaaga	aaaacaactt	tgtaaatttg
4321	gagatatatt	ccaacagctt	ttcgtcttca	gtgtcttaat	gtggaagtta	acccttacca
4381	aaaaaggaag	ttggcaaaaa	cagccttcta	gcacactttt	ttaaataaat	aatggtagcc
4441	taaacttaat	atttttataa	agtattgtaa	tattgttttg	tggataattg	aaataaaaag
4501	ttctcattga	atgcacc				

FIGURE 9 Con't

A

VEGF: - +  
Eco-GFP: + +

IB:anti-flk

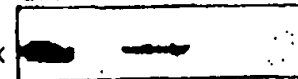


B.

VEGF

GFP CSK Src251

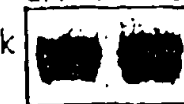
IB:anti-flk



bFGF

GFP Src 251

IB:anti-flk



C.

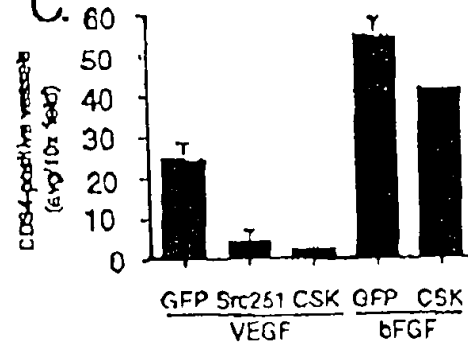


FIGURE 10

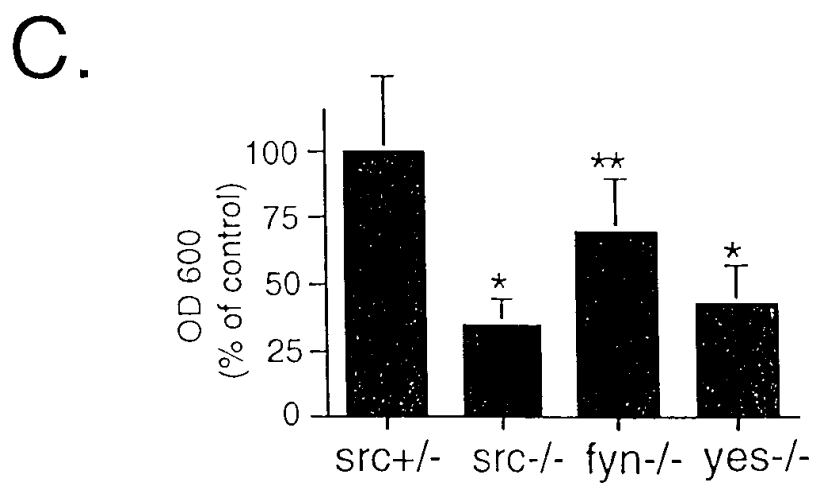
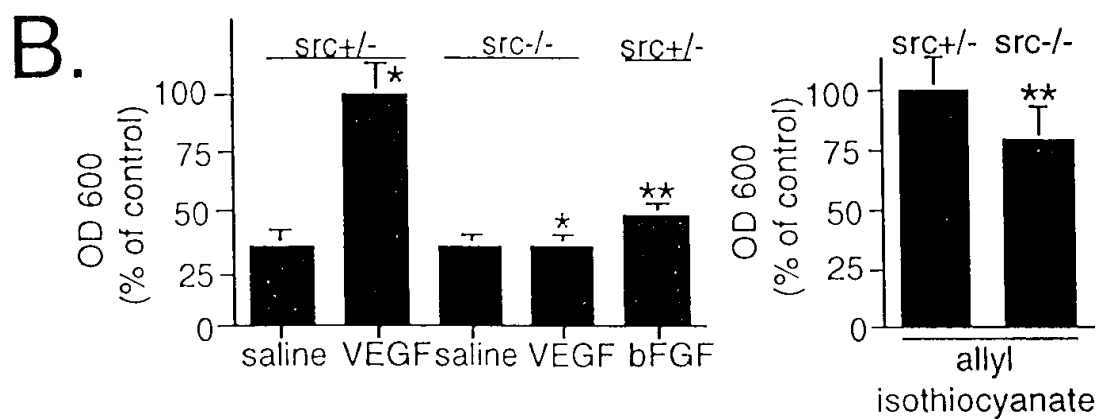
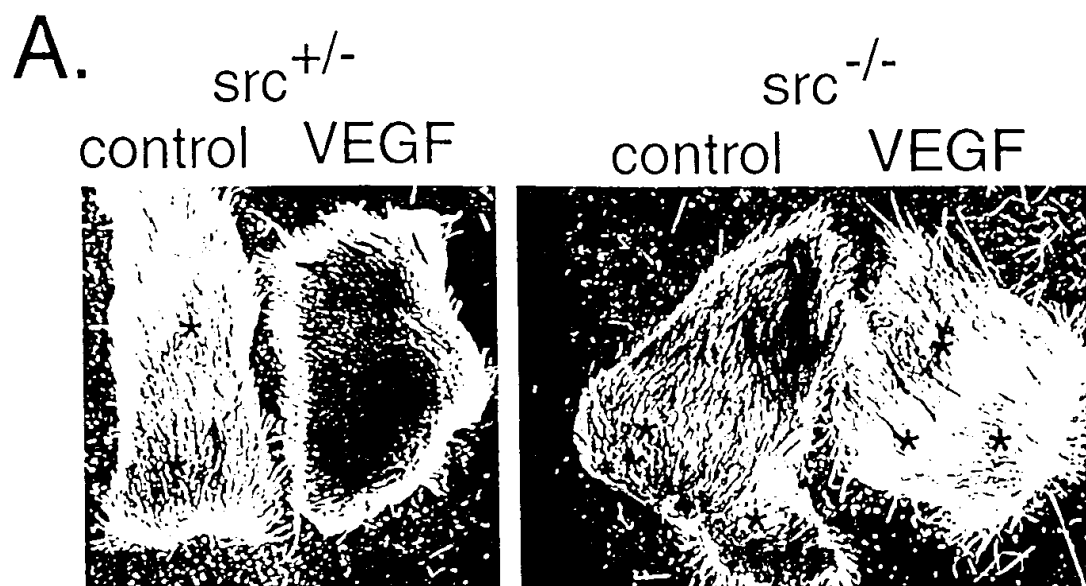


FIG. 11

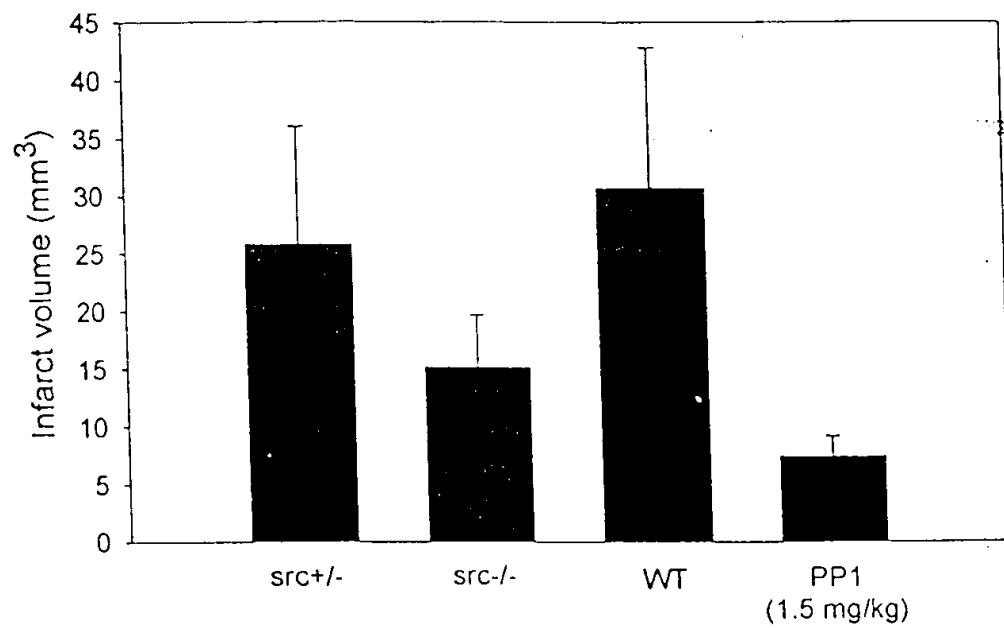


FIG 12

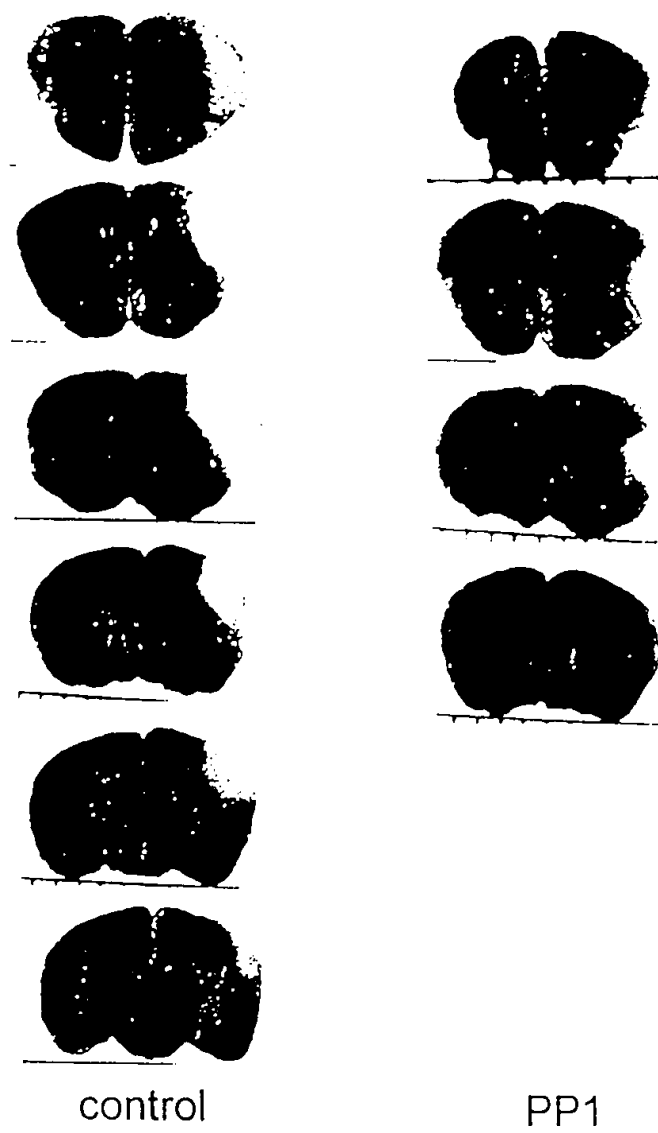


FIG 13